

What is Claimed is:

1. A terminal connection device for a speaker which comprises at least two voice coils each having two electric outputs, comprising:

5 a jumper housing comprising a jumper circuit defining a plurality of jumper inlets adapted for electrically connecting with said electric outputs of said voice coils respectively and a plurality of jumper terminals electrically extended from said jumper inlets respectively; and

10 a terminal switch, which is detachably mounted on said jumper housing, comprising a terminal circuit electrically connected with said jumper terminals of said jumper circuit for selectively switching said voice coils between a series connection and a parallel connection.

15 2. The terminal connection device, as recited in claim 1, wherein said terminal switch further comprises two series connection jumper arms electrically extended from said terminal circuit to detachably connect to said jumper terminals so as to electrically connect said terminal circuit with said jumper circuit for switching said voice coils in said series connection.

20 3. The terminal connection device, as recited in claim 2, wherein said series connection jumper arms are electrically connected in a series connection through said terminal circuit, wherein one of said series connection jumpers is arranged for electrically connecting with said positive charged electric output of one of said voice coils and another said series connection jumpers is arranged for electrically connecting with said negative charged electric output of another said voice coil.

25 4. The terminal connection device, as recited in claim 1, wherein said terminal switch further comprises four parallel jumper arms electrically extended from said terminal circuit to detachably connect to said jumper terminals so as to electrically connect said terminal circuit with said jumper circuit for switching said voice coils in said parallel connection.

5 5. The terminal connection device, as recited in claim 4, wherein said parallel jumper arms electrically connected in a parallel connection through said terminal circuit, wherein two of said corresponding parallel connection jumpers are arranged for electrically connecting with said positive charged electric outputs of two of said voice coils and another said two corresponding parallel connection jumpers are arranged for electrically connecting with said negative charged electric outputs of another said two voice coils.

10 6. The terminal connection device, as recited in claim 3, wherein each of said jumper arms is made of conductive material to electrically connect said terminal circuit with said jumper circuit.

 7. The terminal connection device, as recited in claim 5, wherein each of said jumper arms is made of conductive material to electrically connect said terminal circuit with said jumper circuit.

15 8. The terminal connection device, as recited in claim 2, wherein said jumper housing further has a plurality of input slots alignedly and respectively extended to said jumper inlets for slidably receiving said electric outputs to electrically connect with said jumper inlets, and a plurality of jumper slots alignedly and respectively extended to said jumper terminals, wherein said jumper arms is detachably inserted into said jumper slots to electrically connect with said jumper terminals respectively.

20 9. The terminal connection device, as recited in claim 3, wherein said jumper housing further has a plurality of input slots alignedly and respectively extended to said jumper inlets for slidably receiving said electric outputs to electrically connect with said jumper inlets, and a plurality of jumper slots alignedly and respectively extended to said jumper terminals, wherein said jumper arms is detachably inserted into said jumper slots to electrically connect with said jumper terminals respectively.

30 10. The terminal connection device, as recited in claim 4, wherein said jumper housing further has a plurality of input slots alignedly and respectively extended to said jumper inlets for slidably receiving said electric outputs to electrically connect with said jumper inlets, and a plurality of jumper slots alignedly and respectively extended to said jumper terminals, wherein said jumper arms is detachably inserted into said jumper slots to electrically connect with said jumper terminals respectively.

11. The terminal connection device, as recited in claim 5, wherein said jumper housing further has a plurality of input slots alignedly and respectively extended to said jumper inlets for slidably receiving said electric outputs to electrically connect with said jumper inlets, and a plurality of jumper slots alignedly and respectively extended to said jumper terminals, wherein said jumper arms is detachably inserted into said jumper slots to electrically connect with said jumper terminals respectively.

12. The terminal connection device, as recited in claim 3, wherein said terminal switch further comprises a supporting wall supporting said terminal circuit thereon, wherein said jumper arms are spacedly extended from said supporting wall to align with said jumper terminals in such a manner that when said supporting wall is detachably mounted to said jumper housing to electrically engage said jumper arms with said jumper terminals respectively, said terminal circuit is electrically connected with said jumper circuit.

13. The terminal connection device, as recited in claim 5, wherein said terminal switch further comprises a supporting wall supporting said terminal circuit thereon, wherein said jumper arms are spacedly extended from said supporting wall to align with said jumper terminals in such a manner that when said supporting wall is detachably mounted to said jumper housing to electrically engage said jumper arms with said jumper terminals respectively, said terminal circuit is electrically connected with said jumper circuit.

14. The terminal connection device, as recited in claim 10, wherein said terminal switch further comprises a supporting wall supporting said terminal circuit thereon, wherein said jumper arms are spacedly extended from said supporting wall to align with said jumper terminals in such a manner that when said supporting wall is detachably mounted to said jumper housing to electrically engage said jumper arms with said jumper terminals respectively, said terminal circuit is electrically connected with said jumper circuit.

15. The terminal connection device, as recited in claim 11, wherein said terminal switch further comprises a supporting wall supporting said terminal circuit thereon, wherein said jumper arms are spacedly extended from said supporting wall to align with said jumper terminals in such a manner that when said supporting wall is detachably mounted to said jumper housing to electrically engage said jumper arms with

said jumper terminals respectively, said terminal circuit is electrically connected with said jumper circuit.

16. The terminal connection device, as recited in claim 10, further comprising locking means which has a plurality of sliding channels spacedly formed on said jumper housing and comprises a plurality of pusher member, each having a pusher portion and a guiding hole, slidably disposed in said sliding channels to align said guiding holes with said input slots respectively for holding said electric outputs of said voice coils therein, and a plurality of resilient elements supported in said jumper housing for applying urging forces against said pusher members to push said guiding holes offset from said input slots respectively for securely locking said electric outputs within said input slots to electrically connect with said jumper inlets respectively.

17. The terminal connection device, as recited in claim 11, further comprising locking means which has a plurality of sliding channels spacedly formed on said jumper housing and comprises a plurality of pusher member, each having a pusher portion and a guiding hole, slidably disposed in said sliding channels to align said guiding holes with said input slots respectively for holding said electric outputs of said voice coils therein, and a plurality of resilient elements supported in said jumper housing for applying urging forces against said pusher members to push said guiding holes offset from said input slots respectively for securely locking said electric outputs within said input slots to electrically connect with said jumper inlets respectively.

18. The terminal connection device, as recited in claim 14, further comprising locking means which has a plurality of sliding channels spacedly formed on said jumper housing and comprises a plurality of pusher member, each having a pusher portion and a guiding hole, slidably disposed in said sliding channels to align said guiding holes with said input slots respectively for holding said electric outputs of said voice coils therein, and a plurality of resilient elements supported in said jumper housing for applying urging forces against said pusher members to push said guiding holes offset from said input slots respectively for securely locking said electric outputs within said input slots to electrically connect with said jumper inlets respectively.

19. The terminal connection device, as recited in claim 15, further comprising locking means which has a plurality of sliding channels spacedly formed on said jumper housing and comprises a plurality of pusher member, each having a pusher portion and a

guiding hole, slidably disposed in said sliding channels to align said guiding holes with said input slots respectively for holding said electric outputs of said voice coils therein, and a plurality of resilient elements supported in said jumper housing for applying urging forces against said pusher members to push said guiding holes offset from said input slots
5 respectively for securely locking said electric outputs within said input slots to electrically connect with said jumper inlets respectively.

20. The terminal connection device, as recited in claim 18, wherein said terminal switch further comprises a sheltering cover extended from said supporting wall to shelter said pusher portions of said pusher members when said jumper arms are
10 slidably inserted into said input slots.

21. The terminal connection device, as recited in claim 19, wherein said terminal switch further comprises a sheltering cover extended from said supporting wall to shelter said pusher portions of said pusher members when said jumper arms are slidably inserted into said input slots.

15 22. The terminal connection device, as recited in claim 6, wherein each of said jumper terminals comprises a clipping member detachably clipping said respective jumper arm in position so as to electrically connect said terminal circuit of said terminal switch with said jumper circuit of said jumper housing.

20 23. The terminal connection device, as recited in claim 7, wherein each of said jumper terminals comprises a clipping member detachably clipping said respective jumper arm in position so as to electrically connect said terminal circuit of said terminal switch with said jumper circuit of said jumper housing.